Robotics Academy 2012 Cadet Program Applicant Form
(For High School Students Only)
June through August 2012

This application is only for high school students wishing to participate in the Robotics Academy Cadet Program held at NASA Ames Research Center in Northern California. This data will *not* be shared with other NASA internship programs.

Principal Requirements

In order to be considered for the program, applicants must:

- Have demonstrated interest in our space program
- Have experience in robotics
- Be a U.S. Citizen or have a valid Green Card indicating you are a United States Permanent Resident
- Be 16 years of age by June 1, 2012
- Be in high academic standing (GPA 3.2 or greater)
- Be a student at an accredited high school (If home schooled, please contact us before submitting an application)

Desired Qualifications

The ideal candidate will have strong academic achievement in math, science, and technology, and formal experience in the field of robotics.

Eligibility and Contact Information

1. Student Information:

First Name: _____

Middle Name: _____

Last Name:_____

Email: _____
(Provide an email address that you will check regularly and that will serve as a reliable means of communication before, during, and after the Academy.)

Home Phone:_____ Mobile Phone:_____

Other Phone:_____
(Provide a number(s) that is checked regularly and that can receive messages.)

2. Citizenship and Location:

Citizenship(s): _____ Home State: _____
If you are a Permanent Resident, then provide the following:

Card Number: _____ Country of Origin: _____
If you are not a U.S. Citizen then STOP. Non-U.S. Citizens and non-Permanent Residents are not eligible for this program.

3. Demographics:

Age as of June 1, 2012: _____ Gender: _____ Ethnicity:_____

Disabilities: _____

_____

_____

4. Academics:

Grade Level (You will enter Fall 2012): _____

Total Credits: _____ Overall GPA: _____ Scale: _____ I do not have a GPA: Y / N

High School Name: _____

Street: _____

City: _____ State: _____ Zip: _____

5. Parent / Legal Guardian:

First: _____ Last: _____

Relationship: _____

Email: _____
(Provide an email address that your parent or legal guardian will check regularly and that will serve as a reliable means of communication during the Academy.)

6. Legal Home Address:

Street: _____

City: _____ ST: _____ Zip:_____

I will be living at this address from June-August 2012: Y / N

If no, please provide the address you will be residing at this summer:

Street: _____

City: _____ ST: _____ Zip:_____

Relevant Programs, Skills, and Experience

7. Have you actively participated in any of these robotics programs?

NASA Ames Robotics alumnus: Year(s)_____

FIRST:
Year(s) _____ Location _____ Team # _____

Botball:
Year(s) _____ Location _____ Team # _____

VEX:
Year(s) _____ Location _____ Team # _____

Other (Describe): _____

8. List or describe the skills that you have that you feel would be useful in designing, building, and/or testing a robotic project. (Example: computer skills, programming language experience, computer modeling experience, machine shop experience, materials processing skills such as soldering, DC electronics, etc.)

9. Describe your experience with anything mechanical (robots, vehicles, etc.), including school projects and hands-on experience.

Short Essay Questions

(We seek quality, not word count.)

10. Why are you interested in joining the NASA Ames Robotics Academy Cadet Program?

11. What do you feel is the toughest problem (engineering, science, math, or any other "problem") you have solved either by yourself or in a team? Describe this problem and how you solved it.

12. As a member of an engineering team, in general, describe which role you tend to fall into and see yourself in. (Keep in mind, what you *tend* to do and what you *would like* to do may be different.)

13. Describe what you feel are your main strength and your main weakness in a team and in relation to others in general.

Letters of Recommendation

14. Please list 2 references we can contact that can attest to your academic, technical, and personal accomplishments. Also, please have them email a letter of recommendation to ARC-RoboAcad@mail.nasa.gov:

1. Name:_____
School/Company/Institution: _____
Address: _____
City: _____ ST: _____ Zip: _____
Email: _____
Phone: (_____) _____ - _____
Title / Relationship: _____

2. Name: _____
School/Company/Institution: _____
Address: _____
City: _____ ST: _____ Zip: _____
Email: _____
Phone: (_____) _____ - _____
Title / Relationship: _____

Important!

- Please include a copy of your resume and unofficial transcript.

- Both the student applicant and his or her parent/legal guardian must sign this application.

- The parent/legal guardian must submit this application via U.S. mail. (Cadet applications will _not_ be accepted via email.)

By signing below, I certify that all information stated in this application is accurate.

Student Applicant Signature: _____ Date: _____

Parent/Guardian Signature: _____ Date: _____

Submit completed applications to Jenny Yang and Drew Price:

<u>Mail</u>
NASA Ames Robotics Academy
NASA Ames Research Center
Mailstop T28B RM101
Moffett Field, CA 94035

Please direct all inquiries to Jenny Yang:
<u>Email</u>
ARC-RoboAcad@mail.nasa.gov